SEQUENCE LISTING

<110> EXONHIT THERAPEUTICS SA

<120> Identification of diagnostic markers for Communicable subacute spongiform encephalopathies

<130> 3665-178

<140> PCT/FR2004/002892

<141> 2004-11-10

<150> FR 03 13275

<151> 2003-11-13

<160> 26

<170> PatentIn version 3.1

<210> 1

<211> 191

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 1
ggtgtggagg tgttcaaagg cattgacaat cggactcaga aagtagtcgc cataaaaatc 60

attgacctgg aggaggcaga agatgagatc gaggacattc agcaggaaat cacagtgctg 120

agtcagtgtg acagtcccta cgtaaccaaa tattacggat cctacctgaa ggacactaaa 180

ttgtggataa t 191

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<211> 244

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 2
tatctgcaga atttcccctt gagaagcgtt atggggtgca ggtaagttat tacacaagag 60

aaagaagttt tcttactaac agcaagatta atggcacaat tcaaccaaaa ctcatataca 120

ttttactgct taatttacat attattttgg tggaaaaaat agtattcttt attctttcag 180

tttctttatg caaaaataca cttctacagg gacatcactt agatgttatg caaacctccc 240

cccc 244

<210> 3

<211> 325

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 3
gagacatttg gccaaaagag gaatttccag gacaccaaca acatccatta ttccattatt 60

catttgtttc ctgaagagca aacacttcct tgaaattctt ctcaaattct gcctccagtc 120

taagccccat ttggccaaaa tcattgaact tgaaagatgc cctgtggttc tgaaagatga 180

gacgcatgtc ccacacaaac ccttccacat tggagtagcc ctgctcattc agcctcttct 240

tgatcttgtc cagccacatg ggctccttga ggtttttaga agcctctttc atataataat 300

aatagggaat cctcactata acgct 325

<210> 4

<211> 688

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 4
aagcgttatg caggtaggcc gacaaggcga agtgggatgc cggagagcgg ccgagttatt 60

gctccgagga gaccacgttc accggttact atggcgaccg ccccatcccg gatcactatc 120

agccgttcac cgccgatgag gcgacgtggt tccagctctg ggagacggtg agcgagggca 180

ctcctacgtc gccgcccttc gcgacgattg aggaactggc agcctacctc gccgagtggg 240

gcgacttctg tgatcacagg cgcgccgtcg agtccatgga cgcgcgcgag attgagcgcc 300

tcctgacgct gaatgaccgg cactagttca aggtgcggct gggggcagca gcgcgcctaa 360

gctttctgca agactggctg ggcgcccagc atgatggtcc gcggcggcga gatcctgacc 420

aaccctgggg acatggtgtc gtcgtgaccc tcgcctagct ctctcacaca cctaggagga 480

agagatgacc acccccaaca ttcgcggcca cgagaccgaa gccaaggccc gcaaggcggc 540

gatgaagtgg ttcaccttca cggacggcac caagcctgtc gagggcgtcc acttccacat 600

caagcagaac cacttcgggc tctggacctt ccgggagggc ccggctccga agtccgccgg 660

accccgcatc actcataacg cttctcaa 688

<210> 5

<211> 373

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 5
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gttcctttgg ccacatacat gcgaatctac aggaagggtg atattgtaga tatcaaggga 120

atgggtactg ttcaaaaagg aatgccccac aaatgttacc atggcaaaac tggaagagtc 180

tataatgtca cccagcatgc tgttggcatc attgtaaaca aacaagttaa gggcaagatt 240

cttgccaaga gaattaatgt gcgtatcgag catattaagc actctaagag ccgagatagc 300

ttcctgaaac gtgtgaagga aaatgatcag aaaaagaggg aagccaaaga gaaagggact 360

tggggttaac acc 373

<210> 6

<211> 235

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 6
gggcggaggt caccctgggg atcctccagg gccaggccct ggcacaactc gtctccatca 60

cacagatggg ccgtcgcctg gtcgtggctc tcaggagtca gaccggaaaa agccagccct 120

ggggcaacca ggagcaccga ggtgatgagc aggacagccc aggaggtcat gttgaggcag 180

ctgaaaggtc tgtgcaagtc aatcatgaag aaatttctcc gtaccatcac ctccc 235

<210> 7

<211> 285

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 7
cttgtgtagg cagaggttcc agggtcagtg gaggaagcag catcacagcc agatccatgg 60

ttgggggatg gccacgggaa atgacttggt gactgactct gatctcagag tgggacaggc 120

tgacaggcat ctgggaattc cgggcaaggt caggcacgta ttatagaaga gcaaacacca 180

atcccaaaat atcctcagga atcagcgcat gagcccttc tggctcctgt gatggatgat 240

gaggcccagc ccaaggaaga tcagccccag cacaaagcct ccaac 285

<210> 8

<211> 235

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<220>

<221> misc_feature

<222> (44)..(85)

<223> N = A, T, G or C

<400> 8

tctgcagaat tcgcctctga gaagcgttat ccgttggacc caannnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnncaaga gaaaagatca gagggtgctg gtgtgacgtt 120

taagtaggaa aaggcctgga aggtgagtcc atcaaccgcg gagacaaaag tgggcccggc 180

tccttccaca ggtgccgact gatgctgcca gttcacggtc agtgtgggtc aacac 235

<210> 9

<211> 400

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<220>

<221> misc_feature

<222> (18)..(57)

<223> N = A, T, C or G

<400> 9
aagcgttatt tagataannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntac 60

acccagagta ttccatagtt tgatggtttt gtctcgggag ccagagacaa tttgccggtt 120

gtcagaagag aaggccacac tcagcacatc tttggtatgg cctacaaatc ggcgagtggt 180

ggtgcccgtt gtgagatccc aaaggcgaag ggttccatcc caggagcctg agagggcaaa 240

ttggccatct gaggaaatga ccacatcact aacaaagtgg gagtgacccc gaagagcacg 300

ctgtgggata ccatagttgg tttcatctct ggtcagcttc cacataatga tggtcttatc 360

tcgagaggcg gacgatatca tgtccgggaa ctggggagtg 400

<210> 10

<211> 397

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 10
gggccagggg atgatatgaa tgtcacagga ggagacacct tctgtctttg tttcaaagaa 60

agttgatgtg ccatttgtta atatacaaga gaaatattga aaatatattg aaaagagcaa 120

ttttaaatta tttttggctt atgttgcaat atttattttc ttgtattagg aaagattcct 180

ttgtagaaaa aaaatgtatt tttcattaac gcaaaaacct atttctcctt tttgtacatt 240

gtccatgttc gctaccctta acgagcaata gaatgtatgg ctgcctcggg gtggccggtg 300

cccgcgtgcc ctgcatgatt ctgtggtccc accaccatgt agctcccagt cccatcctgt 360

cctgctcact catgggggtt tccagagcct agcccct 397

<210> 11

<211> 397

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 11
tggattgcag gtgactgaga aaaccatcga ggacagtttt taaggggtca ctgagccagg 60

agcaaatgag atcctgagaa agtacttcat tgtggaagag ttagcactaa gcaggaaacc 120

tttccatgct gtgaagaagc tgggacagaa ggttcttcct tgagtgtgac catcttcact 180

tcagctcagg agccctgttg gctgaagtgt agggcgtcct ttctgattcc tgaagtatat 240

ttattagccc cacggcaagg aagaacagac tcagaacgaa gcccccgact ccactcatca 300

tcttgctctg agcagagtca gaccgtgccc tccattctac tgtgataggg cttgtctggc 360

tggggtgctc cacttggcaa gtgtagacct ggcacca 397

<210> 12

<211> 454

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<220>

<221> misc_feature

<222> (435)..(446)

<223> N= A, T, C or G

<400> 12
gctgtccaaa aaggcctccg ttatggaata attcttttta ttatctccga agtactattc 60

tttaccggat ttttctgagc tttctaccac tcaagcctcg cccccacccc tgggggaggc 120

ggctgctgac ccccaacagg cattcaccca ctaaaccccc tagaagtccc actgctcaac 180

acctctgtcc tattggcttc cggagtttct attacctgag cccatcatag tttaatagaa 240

ggggaccgaa agcatatatt acaagcccta tttatcacca tcacattagg agtctacttc 300

acactactac aagcctcaga atactatgaa gcacctttta ctatctccga cggagtttac 360

ggctcaactt tttttgtagc cacaggcttc cacggcctcc acgtcatcat tgggtccaac 420

aaataacgct tctcnnnnnn nnnnnntgca gata 454

<210> 13

<211> 219

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<220>

<221> misc_feature

<222> (47)..(140)

<223> N = A, T, C or G

<400> 13

ggggaggtat ctgtcaccca cgcagaaatg cttctgacag gcggcannnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn cttggccgaa aagcctgagg tagtctcggc ggcagagctt 180

ccggcccagc ttgtagtaga ggcgccggcc cacctaccc 219

<210> 14

<211> 386

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 14
gaagcgttat tggaggaggc taacctagga gcagaggatc agttcacgaa gagcgagcgg 60

gtgaactcga cgtagtcaaa agcagtgggg agttcgcggc ccttgctgtc cacgtagggc 120

ttcatgtggg agacgcagta gtcggcttgt tcccgagtca agttctggta cagctcctcc 180

ttggtcacat aaggcttccc ttcagagctc acggcccgga aggcgctctc aatctcctcg 240

ctggacttga cgttctccgt ctcacggctg atcataaagg acatgtactc ttgcatggag 300

acgtggacgt ccctgttagg atccacagtg tccaagatgg actcgaactc aaggtcgggc 360

tccccttcct ccaacatggg caggtc 386

<210> 15

<211> 472

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 15
tctgcagaat tcgcctttga gaagcgttat gggggcgagg tggtaaagga agcttacaaa 60

acaactattc tttaaaaaaa aacaaaaaaa caaaaaaaca aaaaacagca aaagccaacc 120

ggcccaattt tgtctccagt tttcaacgtg tgctttcgag catttcagct gtttccagtt 180

actttagttt ccagatatta gtcttccatt tagttttaag actaaatctc acttttggat 240

aaacacaagg aaatatttta cttgctgaaa aatcacttta ctggataaag ttacctctta 300

tgcctttcag ttttctaatc caactttctg acaaccagtg gtaattagga agttctaagt 360

tgcagttgtc cctatgactt tgggcttccc tggtggctca gctggtcaaa aatctgcctg 420

caatgcggga gacctccacc ccataacgct tctcaaaggc gaattctgca ga 472

<210> 16

<211> 424

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 16
ttgagaagcg ttattgtggg gaggtcatag ttgatgacta aggaaacttg ctgtacatca 60

atacctctgg ccagtaggtc agtggtaatc aatactctgc tggagccaga gcggaactcc 120

ctcatgataa cgtctcgttc tttttggtcc atgtctccgt gcatggcaga gacggtgaag 180

tctcgggcat gcatcttctc ggtgagccaa tccaccttcc ttcgggtgtt gatgaagatg 240

actgcctggg taatggtcag ggtttcatac aagtcgcaca gtgtgtccag cttccactcc 300

tctcgttcca cattgatgta gaactgacgg ataccctcca gcgtcaactc ttccttcttg 360

acaagaattc taattgggtc cctcatgaac ttcttggtca cctcccgccc ataacgcttc 420

tcaa 424

<210> 17

<211> 474

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 17
cttgtatggt gtatggaagt tacttggtaa atccagaatc aggatacaat gtctccttgc 60

tatacgacct tgaaaatctg cctgcatcca aggattccat cgtgcatcaa gctggcatgt 120

tgaaacgaaa ctgttttgcc tctgtctttg agaaatactt ccagttccag gaatgagggc 180

aaggaatgag agttaggggc agttatccat tatagggatg atgagaccat gtatgttgag 240

tcaaaaaaag acagagtcac agtagtcttc agcacagtgt ttaaggatga cgacgatgtg 300

gtcattggaa aggtgttcat gcaggagttc aaagaaggac gcagagccag ccacacagcc 360

ccacaggtcc tcttcagcca cagggaacct cccttagagc tgaaagatac cgatgccgcc 420

gtgggtgaca acattggcta cattaccttc gtgctgttcc ctgccccaat ataa 474

<210> 18

<211> 372

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<220>

<221> misc_feature

<222> (362)..(368)

<223> N = A, T, C or G

<400> 18
ccagtgtgtt gcccctgaga agcgttatat gcggtagtga ggggaatttc aattacatcg 60

agttcacacg catccttaag catggagcga aagacaaaga cgactaaaaa gaacttcaaa 120

ctccagccaa acgttccttg ttgccactct gggtatttct gagactttct cttagagcct 180

gttgcatgcc cttagcttta cagcttctgc ctttcttttg tatttattct cagccatttg 240

gggcacatgc atctctataa tcagactgga tatgggactt cttgtcattt taagagtaga 300

aaatagggta atttaactta ccagctgccg tctaccctcc cccaaagtca taacgcttct 360

cnnnnnnnca gc 372

<210> 19

<211> 535

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 19
tctgcagaat tcgcctctga gaagcgttat gctgagaggg gggactggaa gctttgctga 60

tatttactca atattcacaa ggggcctgtg taatgtgttt cacaggtagt gctaatgctc 120

aatgcaagat gcatttcagc cttgtaattc ctttcatttg agtctttgaa ccatgtccaa 180

tgaaccagag ctcaaactaa tcaattttgt agttggtatt tgttggaggg gaggcaggca 240

tggacagcaa tagggagtga gctggagaga tgctttgcta accatagtaa actgtgaaaa 300

aatagttact tcctgaaaaa aggaaatatt cttgagagca ccttcataat gtcatcaaat 360

acatggctaa atacattgtc ttgagcctcc ttcctaatgt ttcttagttt tttttcatat 420

tccatcttta gtaattcaat ttccccctct ttttcctgca taatcttctc gcatgcttga 480

gcacactcct tttccacttt ttggatttcc atttctaatt gatcaatata tcttt 535

<210> 20

<211> 527

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 20

agaagcgtta tcgggtaggc taacctagga gcagaggatc agttcacgaa gagcgagcgg 60

gtgaactcga cgtagtcaaa agcagtgggg agttcgcggc ccttgctgtc cacgtagggc 120

ttcatgtggg agacgcagta gtcggcttgt tcccgagtca ggttctggta cagctcctcc 180

ttggtcacat aaggcttccc ttcagagctc agggcccgga aggcgctctc aatctcctcg 240

ctggacttga cgttctcggt ctcacggctg atcataaagg ccatgtactc ttgcagggag 300

acgtggccgt ccctgttagg atccacagtg tccaggatgg cctcgaactc agggtcgggc 360

tcccccttcct ccaccatggg caggtcatag cccagggagc gcagacagga tttgaactcc 420

tggtggttca gccggccaga cttgtccttg tcgaagtgtt tgaacatcat gctgaattct 480

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<210> 21

<211> 546

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 21
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tgagccatca cttgcaggaa accagcttca caaaagaagc ctacaagaag tacatcaaag 120

attacatgaa gtcaatcaaa gggaaacttg aagaacagag accagaaaga gtaaaacctt 180

ttatgacagg ggctgcagaa caaatcaagc acatccttgc taatttcaaa aactatcagt 240

tctttattgg tgaaaacatg aatccagatg gcatggttgc tctgctggac taccgtgagg 300

atggtgtaac cccatatatg attttcttta aggatggttt agagatggaa aaatgttaac 360

aaagttggca gttactttgg atcaatcacc tccccccccat aacgcttctc taatgcttat 420

tcatgcagac aacaccagga cttagacaga tgggactgat gtcatctcga gctcttcatt 480

tgttttgaac gttgatttat ttggagcgga ggcattgttt ttgagaaaac gtgtcatgta 540

ggtccc 546

<210> 22

<211> 310

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 22
ggggtaggtc aaaaaaagtc caaaccaaaa acaaaacctg ccaaaaccaa caaaaaacct 60

ccgaaatctg aagacaactg aatcaatccc tgcagtctca ctttctcttg gaaagaaaag 120

ttggataatc caaccctttt acaaaggata atacaagggt gacagttcca agctctcagg 180

aacagggtct tagacgcttt tggaggttga gaggcacaaa acggcagtct gaaaattcct 240

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aacgcttctc 310

<210> 23

<211> 151

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 23
gaagggcagg cgcgaaaggc agctacagcc agtgagaaat cagatggcat ttacacgggc 60

ctgagcaccc ggacccagga gacttatgag accctgaagc atgagaaacc accacaatag 120

ctttagaaca gatgcccttt gtcacttcct t 151

<210> 24

<211> 379

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 24
aatgtaaggg ggattagagt gattatggga gcagctaaag atgagagggg ctcagttttc 60

cgcaacacta aatctaaaaa gtattttggc ttcttactgt agagagcaga cctctacagg 120

aatcctacat tggaaaagag acccagaggt ctgcggttca ctgctgccac actgtctcac 180

atagtacctt tggagtaggc ctgacagaga gcacagggaa gcttcagaaa cctgtaattc 240

aagattttat ttttttgaga cgttctctct gatactgttc cccgccagcc ttttttaaaa 300

gtttgagaaa cttttcaagc tctgcaaaag gggacaaaga atttgccttg cagtgtgggg 360

atatgattga gcggcagtg 379

<210> 25

<211> 251

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 25
gtggtaggtg actgaggagt gtggcaagtt tggtgctgtc aaccgtgtca tcatctacca 60

agagaagcag ggcgaggaag aggacgcgga gatcattgtc aagatttttg tggagttttc 120

cgtagcctct gagactcaca aggccatcca ggccctcaat gggcgctggt ttgctggccg 180

caaggtggtg gctgaagtgt atgaccagga gcgttttgat aacagtgacc tctctgcatg 240

acctcccccc c 251

<210> 26

<211> 290

<212> DNA

<213> artificial sequence

<220>

<223> marqueur ESB

<400> 26
gatcagtaca gctgccgagt gaaacacgtt actttggaac aaccccggat agttaagtgg 60

gatcgagacc tgtaagcagc accatcgaga tttgaacatt cttcatttgg tataatatct 120

ggaaaattct gtttccctgc tctttaatac tgatatgctt ttatgcttta tgcgcataat 180

cagaagtcat attcatgtta ccataaatac cttctttata attttaccgt gggtgctaca 240

tgtccatgtt tgaccttcct aggcaggtgt ctgcagtgga ggtccacaaa 290